

**Navy Advancement Center**

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# **Advancement Handbook for Intelligence Specialist**

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## PREFACE

The purpose of the Advancement Handbook is to help you focus your preparation for Navywide advancement-in-rating examinations. The bibliographies (BIBs) together with this handbook form a comprehensive examination study package. Since this handbook provides skill and knowledge components for each paygrade of the Intelligence Specialist rating, it helps you concentrate your study on those areas that may be tested. This feature will help you get the most out of your study time.

Each page in Parts 1 through 4 of this Advancement Handbook presents general skill areas, specific skill areas, the knowledge factors associated with each skill area, the pertinent references that address each skill, and the subject areas that may be covered on the examination. The skill statements describe the skills you are expected to perform for each paygrade. The skill statements are cumulative; that is, you are responsible for the skills for the paygrade you are competing for, your present paygrade, and all paygrades below.

Although this handbook is very comprehensive, it cannot cover all the tasks performed in the rating. As a result, the advancement examinations may contain questions more detailed than described in the “*Exam Expectations*” section of the skill areas.

Remember that advancement competition is keen, so your keys to advancement include not only comprehensive advancement examination study but also sustained superior performance.

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# Part 1

## Advancement Handbook for IS3

## Advancement Handbook for IS3

General IS <i>Skill Area</i>	<b>Intelligence Briefings/Reports</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Draft an intelligence summary/report using all-source intelligence and intelligence files</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• National sensor systems</li> <li>• Battle group organic assets/capabilities</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>The Afloat Intelligence Managers Handbook</i></li> <li>• <i>Threat Reference Guide and Counter Tactics</i> (AFTTP 3-1, Vol 2)</li> <li>• <i>Characteristics and Capabilities of U.S. Navy Combatant Ships</i> (NWP 1-11.01)</li> <li>• <i>DIA Fact Book: Communist World Forces</i> (DST-2660Z-013-88)</li> <li>• <i>Air Reconnaissance Manual</i> (NWP 3-55.11)</li> <li>• <i>USMTF User Formats</i> (v 2.0) (OPNAV-P-942-1-86)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions regarding the format of intelligence summaries. You can also expect questions regarding sources of intelligence information. These sources will include organic and non-organic sensors (e.g., battle group assets and satellites).

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General IS <i>Skill Area</i>	<b>Maps and Charts</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Inventory maps and charts and verify their currency</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Inventory procedures</li> <li>• Ordering procedures</li> <li>• Update/verification procedures</li> <li>• Geography</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Richmond Map Facility, Defense Supply Center Richmond, Ordering Procedures</i></li> <li>• <i>DMA Technical Manual: Datums, Ellipsoids, Grids, and Grid Reference Systems</i> (DMA TM 8358.1)</li> <li>• <i>Department of the Navy (DON) Information Security Program (ISP) Regulation</i> (SECNAVINST 5510.36)</li> <li>• <i>Operational Terms and Graphic</i> (FM 101-5-1) Ch 4</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	<p>You can expect questions about chart scales, geographic coordinate and UTM plotting procedures, basic military symbology, map projections, DATUMs, legend and marginal data. You can also expect a graphic representation of a geographic area (e.g. South America, Far East, etc.) requiring the identification of countries in that area.</p>

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General IS <i>Skill Area</i>	<b>Maps and Charts</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Annotate/display hard/soft copy maps and charts</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Chart Scales</li> <li>• Projections</li> <li>• Geographic coordinate plotting</li> <li>• UTM grids</li> <li>• Datums</li> <li>• Military symbols</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Operational Terms and Graphics</i> (FM 101-5-1) Ch 4</li> <li>• <i>Datums, Ellipsoids, Grids, and Grid Reference Systems</i> (DMA TM 8358.1)</li> <li>• <i>Fleet Intelligence Collection Manual</i> (FICM) (ONI-1200-003-98)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions regarding different scales of charts/maps and the type of projections used to create them, geographic coordinates and UTM grids, Datums, and basic military symbology. You can also expect to calculate distances based on geo-coordinates. Also, expect questions regarding the conversion of nautical miles to statute miles, feet to meters, centimeters to inches, etc.

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General IS <i>Skill Area</i>	<b>Maps and Charts</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Calculate target distance, course, speed, and closest point of approach (CPA)</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Computation of contact course and speed</li> <li>• Computation of closest point of approach</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Maneuvering Board Manual, U.S. Department of Defense</i> (NV PUB 217)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions requiring the use of a maneuvering board to solve for course, speed, and CPA.

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General IS <i>Skill Area</i>	<b>Technical Administration</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Conduct an intelligence library publication inventory and make changes/corrections to intelligence publications</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Changes and corrections</li> <li>• Security</li> <li>• Inventory</li> <li>• Primary Intelligence Function Codes</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Department of the Navy (DON) Information Security Program (ISP) Regulation (SECNAVINST 5510.36)</i></li> <li>• <i>Intelligence Function Codes (DOD-0000-174-99)</i></li> <li>• <i>The Intelligence Product Catalog (SVI-0000-0190-98)</i></li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect to be asked to correlate publications short title to long title, and general contents of publications. You can also expect to be asked about the primary function codes (e.g., 1000, 1200, 1300, 2400, etc.).

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General IS <i>Skill Area</i>	<b>Technical Administration</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Interpret and draft naval and joint correspondence and messages</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Naval and joint message formats</li> <li>• Message precedence</li> <li>• Standard naval letter format</li> <li>• Creating new files</li> <li>• Creating new directories</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Department of the Navy Correspondence Manual</i> (SECNAVINST 5216.5 (Series))</li> <li>• <i>Telecommunications Users Manual</i> (NTP-3)</li> <li>• <i>USMTF User Formats</i> (v 2.0) (OPNAV-P-942-1-86)</li> <li>• <i>Allied Maritime Structured Messages, APP-4; Vol I &amp; II</i></li> <li>• <i>DOD Dictionary of Military and Associated Terms</i> (JCS Pub 1-02)</li> <li>• <i>Department of the Navy File Maintenance Procedures and Standard Subject Identification Codes (SSICs)</i> (SECNAVINST 5210.11D)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions regarding basic message formatting and precedence, the Standard naval letter, and word processing programs.

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General IS <i>Skill Area</i>	<b>Intelligence Analysis</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Provide targeting support materials and create a target intelligence folder</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Target folders</li> <li>• Data bases available</li> <li>• Information systems that assist in targeting support (e.g., TAMPS, APS)</li> <li>• Basic Targeting Graphics (BTGs)</li> <li>• Basic Encyclopedia (BE) Numbers</li> <li>• World Area Codes (WACs)</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>The Afloat Intelligence Managers Handbook</i></li> <li>• <i>U.S. Allied Tactical Target Materials</i> (DIAM 57-24)</li> <li>• <i>Critical Elements of Selected Generic Installations (Critical Elements Handbook)</i> (DI-2800-2-YR)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions regarding the critical parts of a BE number, including the WAC; targeting data bases; systems that provide targeting and mission planning support; and the construction of target folders using BTGs.

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General IS <i>Skill Area</i>	<b>Information Systems</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Maintain intelligence data bases</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Data Input/Extraction</li> <li>• Data Query</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Afloat Intelligence Managers Handbook</i></li> <li>• <i>Afloat Intelligence Systems</i></li> <li>• <i>JDISS Basic Operator Course (JBOC) Course Guide (v6.0)</i></li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions regarding the types of national level databases available and the information contained therein.

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General IS <i>Skill Area</i>	<b>Imagery Interpretation</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Locate and extract imagery from hard/soft copy imagery libraries</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Film handling</li> <li>• Security</li> <li>• Image scanning</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Department of the Navy (DON) Information Security Program (ISP) Regulation (SECNAVINST 5510.36)</i></li> <li>• <i>Afloat Intelligence Managers Handbook</i></li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions about imagery databases, procedures for extracting imagery, and basic security requirements.

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General IS <i>Skill Area</i>	<b>Imagery Interpretation</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Evaluate imagery and conventional film</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Types of organic and national imagery assets available</li> <li>• Differences and uses for various types of imagery</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Air Reconnaissance Manual</i> (NWP 3-55.11)</li> <li>• <i>Reconnaissance Reference Manual</i> (NAVAIR 10-1-789)</li> <li>• <i>DOD Exploitation of Multisensor Imagery</i> (DIAM 57-5)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions regarding national level and organic imagery assets. You can also expect questions about the types of imagery and film available (e.g., E/O, IR, CDIR, SLAR, etc.).

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General IS <i>Skill Area</i>	<b>Imagery Interpretation</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Create annotated imagery products, determining the imagery scale and dimensions of objects of intelligence interest</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Forwarding, titling, and plotting of imagery</li> <li>• Use of mathematical equations to solve various photogrammetrical problems</li> <li>• Recognition of objects of interest</li> <li>• Proper set-up and utilization of basic light table functions, including set up for stereo viewing</li> <li>• Proper handling, stowage, and security requirements of imagery</li> <li>• Procedures used to evaluate the results of a photo reconnaissance mission</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Air Reconnaissance Manual</i> (NWP 3-55.11)</li> <li>• <i>Reconnaissance Reference Manual</i> (NAVAIR 10-1-789)</li> <li>• <i>Aerial Photography and Airborne Sensor, Imagery (Forwarding , Titling, and Plotting)</i> (DIAM 55-5)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect photogrammetric mathematical problems that will require you to perform the mensuration calculations. You can also expect questions regarding basic forwarding, titling, and plotting of imagery.

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General IS <i>Skill Area</i>	<b>Operations</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Determine and update Order of Battle for friendly, opposing, and neutral forces</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Operating characteristics and capabilities of friendly, opposing, and neutral forces</li> <li>• Geography</li> <li>• Plot coordinates</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Worldwide Threat to U.S. Navy and Marine Forces, 1997-2017</i> (ONI-1200-002-98)</li> <li>• <i>Foreign Naval Ship and Submarine Characteristics</i> (ONI-1250-008-99)</li> <li>• <i>Threat Reference Guide and Counter Tactics</i> (AFTTP 3-1, Vol 2)</li> <li>• <i>Characteristics and Capabilities of U.S. Navy Combatant Ships</i> (NWP 1-11.1)</li> <li>• <i>DIA Fact Book: Communist World Forces</i> (DST-2660Z-013-88)</li> <li>• <i>Tactical Action Officers Handbook</i> (NWP 1-10.1)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions regarding characteristics and capabilities of friendly and neutral forces, basic geography, and plotting.

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General IS <i>Skill Area</i>	<b>Operations</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Identify characteristics and capabilities of air, surface, subsurface, and ground platforms and their associated weapons systems</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Platform recognition by silhouette.</li> <li>• Platform capabilities (i.e., primary/secondary missions)</li> <li>• Weapons systems associated with platforms</li> <li>• Ranges of weapons systems and primary function</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Worldwide Threat to U.S. Navy and Marine Forces, 1997-2017</i> (ONI-1200-002-98)</li> <li>• <i>Foreign Naval Ship and Submarine Characteristics</i> (ONI-1250-008-99)</li> <li>• <i>Threat Reference Guide and Counter Tactics</i> (AFTTP 3-1 Vol 2)</li> <li>• <i>DIA Fact Book: Communist World Forces</i> (DST-2660Z-013-88)</li> <li>• <i>Tactical Action Officers Handbook</i> (NWP 1-10.1)</li> <li>• <i>Regional Threat to TLAM</i> (ONI-1330-002-98)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect to be asked to identify platform silhouettes, and provide their primary mission, weapons systems, and related ranges. The primary focus is on U.S. systems, major allies, and those of countries that are our primary threat.

## Advancement Handbook for IS3

General IS <i>Skill Area</i>	<b>Operations</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Maintain situational and tactical plots</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• NTDS symbology</li> <li>• Plotting and maintenance of situational and tactical plots</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Anti-Air Warfare Manual</i> (NWP 3-01.01)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect to be asked questions regarding basic NTDS symbology, to include the symbology for friendly, hostile, and neutral air, surface, and subsurface contacts.

## Advancement Handbook for IS3

General IS <i>Skill Area</i>	<b>Operations</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Perform radio-telephone communications</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Primary Composite Warfare Commanders callsigns</li> <li>• Basic Radio-Telephone procedures</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Communication Instructions General</i> (ACP-121)</li> <li>• <i>Communications Instructions Radiotelephone Procedures</i> (ACP-125)</li> <li>• <i>Composite Warfare Commander's Manual</i> (NWP 3-56)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions on callsigns of the primary Composite Warfare Commanders, circuit designations, and basic radio-telephone procedures.

## Advancement Handbook for IS3

General IS <i>Skill Area</i>	<b>Intelligence Collection</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Collect data during a collection opportunity</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Information required to complete an IIR or Locator message</li> <li>• Precedence of messages, depending on type of contact</li> <li>• Reporting requirements</li> <li>• Addressees for an IIR</li> <li>• Basic format requirements for IIRs</li> <li>• QUEWORD color to message type correlation</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Fleet Intelligence Collection Manual</i> (ONI-1200-003-98)</li> <li>• <i>USMTF User Formats</i> (v 2.0) (OPNAV-P-942-1-86)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions on the collection cycle, information requirements, precedence standards, follow-up reporting requirements, addressees, message formatting, and hardcopy formatting.

## Part 2

### Advancement Handbook for IS2

## Advancement Handbook for IS2

General IS <i>Skill Area</i>	<b>Intelligence Briefings/Reports</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Draft, edit, and review intelligence point papers and intelligence reports</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Message formatting</li> <li>• Naval correspondence formatting</li> <li>• IIR reporting requirements</li> <li>• Locator reporting requirements</li> <li>• Precedence requirements</li> <li>• Photo intelligence reporting requirements</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Telecommunication Users Manual</i> (NTP-3)</li> <li>• <i>Department of the Navy Correspondence Manual</i> (SECNAVINST 5215.5C)</li> <li>• <i>Fleet Intelligence Collection Manual</i> (ONI-1200-004-98CD)</li> <li>• <i>USMTF User Formats</i> (v 2.0) (OPNAV-P-942-1-86)</li> <li>• <i>Air Reconnaissance Manual</i> (NWP 3-55.11)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions regarding message formats for standard intelligence reporting (e.g., Locator, IIR) and general messages. You can also expect questions on information requirements, precedence standards, follow-up reporting requirements, and addressees.

## Advancement Handbook for IS2

General IS <i>Skill Area</i>	<b>Maps and Charts</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Select maps and charts for unit mission</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Scale to chart correlation</li> <li>• Ordering procedures</li> <li>• Geography</li> <li>• Datums</li> <li>• Military symbology</li> <li>• Geographic coordinate plotting</li> <li>• UTM's</li> <li>• Metric conversions</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Richmond Map Facility, Defense Supply Center Richmond, Ordering Procedures</i></li> <li>• <i>DMA Technical Manual: Datums, Ellipsoids, Grids, and Grid Reference Systems</i> (DMA TM 8358.1)</li> <li>• <i>Military Symbols</i> (FM 21-30)</li> <li>• <i>Fleet Intelligence Collection Manual</i> (FICM) (ONI-1200-004-98CD)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	<p>You can expect questions regarding different scales of charts/maps, geographic coordinates, UTM grids, Datums, and military symbology. You can also expect to calculate distances based on geographic coordinates and convert metric to standard distances. Additionally, expect a graphic representation of a geographical area that will require you to identify countries.</p>

## Advancement Handbook for IS2

General IS Skill <i>Area</i>	<b>Technical Administration</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Establish intelligence files and order intelligence publications</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Publication ordering procedures</li> <li>• NWP administration</li> <li>• Security</li> <li>• Intelligence function codes</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>The Naval Warfare Publication System</i> (NWP 1-01)</li> <li>• <i>Department of the Navy (DON) Information Security Program (ISP) Regulation</i> (SECNAVINST 5510.36)</li> <li>• <i>Intelligence Function Codes</i> (DOD-0000-174-99)</li> <li>• <i>The Intelligence Product Catalog</i> (SVI-0000-0190-98)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions regarding the requirements of an NWP library and security as it relates to publication changes, destruction, and transfer. Also expect questions concerning Intelligence Function Codes and their relationship with publications.

## Advancement Handbook for IS2

General IS <i>Skill Area</i>	<b>Intelligence Analysis</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Determine and prioritize the threats and indicators for the following warfare areas: air, surface, undersea, amphibious, information, strike, and special</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Platform recognition by silhouette.</li> <li>• Platform capabilities (i.e., primary/secondary missions)</li> <li>• Weapons systems associated with platforms</li> <li>• Ranges of weapons systems and primary function (e.g., SAM, ASCM, ICBM, SRBM, etc.)</li> <li>• Principal members of the Defense Indication Warning System (DIWS)</li> <li>• The indications and warning process</li> <li>• DIWS categories for force-on-force model</li> <li>• WATCHCON, DEFCON, and THREATCON levels</li> <li>• DIWS reports</li> <li>• Typical drug smuggling tactics and techniques</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Intelligence Support to Operations Afloat</i> (NWP 2-01)</li> <li>• <i>DoD Indications and Warning Systems Operations Manual</i> (J2M-0177-01) Parts 1 and 2</li> <li>• <i>Worldwide Threat to U.S. Navy and Marine Forces, 1997-2017</i> (ONI-1200-002-98)</li> <li>• <i>Foreign Naval Ship and Submarine Characteristics</i> (ONI-1250-008-99)</li> <li>• <i>Threat Reference Guide and Counter Tactics</i> (AFTTP 3-1, Vol 2)</li> <li>• <i>DIA Fact Book: Communist World Forces</i> (DST-2660Z-013-88)</li> <li>• <i>Tactical Action Officers Handbook</i> (NWP 1-10.1)</li> <li>• <i>Counter-Drug Maritime Product Suite</i> (ONI-2500-001-98)</li> </ul>

<p><i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:</p>	<p>You can expect to be asked to identify silhouettes, and provide mission, primary weapons systems, and related ranges. Focus on those countries that are our primary threat. You will also be asked questions about the DoD indications and warning apparatus. Additional questions will be asked about various drug smuggling tactics and techniques.</p>
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## Advancement Handbook for IS2

General IS Skill <i>Area</i>	<b>Intelligence Analysis</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Correlate line-of-bearing and over-the-horizon targeting (OTHT) information to other intelligence information</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• National over-the horizon sensor capabilities</li> <li>• Organic over-the-horizon sensor capabilities</li> <li>• Role of the Force over-the-horizon coordinator (FOTC)</li> <li>• OTHT communications and messages</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Afloat Intelligence Manager's Handbook</i></li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions on national and organic over-the-horizon targeting capabilities. Also expect questions regarding the role of FOTC and communications/messages available.

## Advancement Handbook for IS2

General IS Skill <i>Area</i>	<b>Intelligence Analysis</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Provide mission planning and target development support</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Target folders</li> <li>• Data bases available</li> <li>• Information systems that assist in targeting support (e.g., TAMPS, APPS)</li> <li>• Basic Targeting Graphics (BTGs)</li> <li>• Basic Encyclopedia (BE) Numbers</li> <li>• World Area Codes (WACs)</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>The Afloat Intelligence Managers Handbook</i></li> <li>• <i>Afloat Intelligence Systems</i></li> <li>• <i>U.S. Allied Tactical Target Materials</i> (DIAM 57-24)</li> <li>• <i>Critical Elements of Selected Generic Installations (Critical Elements Handbook)</i> (DI-2800-2-YR)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions regarding the critical parts of a BE number, including the WAC; targeting data bases; systems that provide targeting and mission planning support; and the construction of target folders using BTGs. Additionally, you can expect to be asked questions regarding target development.

## Advancement Handbook for IS2

General IS Skill <i>Area</i>	<b>Blue Force Capabilities</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Determine U.S. maritime and friendly foreign force capabilities</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Platform recognition by silhouette</li> <li>• Platform capabilities (i.e., primary/secondary missions)</li> <li>• Weapons systems associated with platforms</li> <li>• Ranges of weapons systems and primary function</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Foreign Naval Ship and Submarine Characteristics</i> (ONI-1250-008-99)</li> <li>• <i>Threat Reference Guide and Counter Tactics</i> (AFTTP 3-1, Vol 2)</li> <li>• <i>Characteristics and Capabilities of U.S. Navy Combatant Ships</i> (NWP 1-11.1)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect to be asked to identify platform silhouettes, provide their mission, primary weapons systems, and related ranges. Focus on systems from the U.S. and those countries that are our primary allies.

## Advancement Handbook for IS2

General IS Skill <i>Area</i>	<b>Information Systems</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Determine local/onboard systems component requirements</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Information systems available</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Afloat Intelligence Managers Handbook</i></li> <li>• <i>Afloat Intelligence Systems</i></li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions about all of the available information systems and their capabilities (i.e., the function they perform).

## Advancement Handbook for IS2

General IS Skill <i>Area</i>	<b>Information Systems</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Prepare request for information (RFI)</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Customer responsibilities</li> <li>• Supporting intelligence office responsibilities</li> <li>• Chain of command responsibilities</li> <li>• Validation office responsibilities</li> <li>• Production center responsibilities</li> <li>• Characteristics of a well-written requirement</li> <li>• Function of COLISEUM</li> <li>• Request for information (RI) message</li> <li>• Response to request for information (RRI) message</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Department of Defense Intelligence Production Program: Requirements Management</i> (DoD-0000-151C-99) Chs 1 and 3</li> <li>• <i>USMTF User Formats</i> (v 2.0) (OPNAV-P-942-1-86) RI, RRI messages</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions about the responsibilities of all of the offices involved in the requirements management process. Additionally, you can expect questions pertaining to COLISEUM and RI/RRI messages.

## Advancement Handbook for IS2

General IS Skill <i>Area</i>	<b>Imagery Interpretation</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Detect and identify major industrial, transportation and infrastructure facilities on imagery</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• The physical characteristics of major industrial facilities</li> <li>• The physical characteristics of transportation networks</li> <li>• The physical characteristics of primary infrastructure facilities (e.g., power plants, desalinization facilities, communication nodes, etc.)</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Air Reconnaissance Manual</i> (NWP 3-55.11)</li> <li>• <i>Reconnaissance Reference Manual</i> (NAVAIR 10-1-789)</li> <li>• <i>Functional Damage Assessment (FDA) Guide of EP, LOC, POL, and TELECOM Networks</i> (JWAC/MP-97/20)</li> <li>• <i>DOD Exploitation of Multisensor Imagery</i> (DIAM 57-5 Series)</li> <li>• <i>Critical Elements of Selected Generic Installations (Critical Elements Handbook)</i> (DI-2800-2-YR)</li> <li>• <i>U.S. Allied Tactical Target Materials</i> (DIAM 57-24)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions requiring the identification of major industrial facilities, transportation networks, and critical infrastructure networks.

## Advancement Handbook for IS2

General IS Skill <i>Area</i>	<b>Imagery Interpretation</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Detect, identify, and type military associated equipment and determine the order of battle normalcy on imagery</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Recognition features</li> <li>• Platform capabilities</li> <li>• Weapon system ranges</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Air Reconnaissance Manual</i> (NWP 3-55.11)</li> <li>• <i>Reconnaissance Reference Manual</i> (NAVAIR 10-1-789)</li> <li>• <i>DOD Exploitation of Multisensor Imagery</i> (DIAM 57-5 Series)</li> <li>• <i>Critical Elements of Selected Generic Installations (Critical Elements Handbook)</i> (DI-2800-2-YR)</li> <li>• <i>U.S. Allied Tactical Target Materials</i> (DIAM 57-24)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect to be asked to identify silhouettes, and provide mission, primary weapons systems, and related ranges for naval, air, and ground order of battle.

## Advancement Handbook for IS2

<p>General IS Skill Area</p>	<p><b>Imagery Interpretation</b></p>
<p>A <i>skill</i> you are expected to perform from the General Skill Area above:</p>	<p><b>Display, manipulate, and evaluate imagery using available imagery resources and create a formatted imagery analysis report</b></p>
<p><i>Knowledge</i> you should have to perform this skill:</p>	<ul style="list-style-type: none"> <li>• Forwarding, titling, and plotting of imagery</li> <li>• Use of mathematical equations to solve various photogrammetrical problems</li> <li>• Recognition of objects of interest</li> <li>• Proper set-up and utilization of basic light table functions, including set up for stereo viewing</li> <li>• Proper handling, stowage, and security requirements of imagery</li> <li>• Procedures used to evaluate the results of a photo reconnaissance mission</li> <li>• HOTPHOTOREP, IPIR, SUPIR, RECCEXREP, RADAR-EXREP, and BDAREP formatting</li> </ul>
<p><i>References</i> you should study to gain the knowledge you need to perform this skill:</p>	<ul style="list-style-type: none"> <li>• <i>Air Reconnaissance Manual</i> (NWP 3-55.11) Ch 4</li> <li>• <i>USMTF User Formats</i> (v 2.0) (OPNAV-P-942-1-86)</li> <li>• <i>Reconnaissance Reference Manual</i> (NAVAIR 10-1-789)</li> <li>• <i>Aerial Photography and Airborne Sensor Imagery (Forwarding, Titling, and Plotting)</i> (DIAM 55-5)</li> <li>• <i>DOD Exploitation of Multisensor Imagery</i> (DIAM 57-5 Series)</li> <li>• <i>Intelligence Support to Operations Afloat</i> (NWP 2-01)</li> <li>• <i>Security Classification of Airborne Sensor Imagery</i> (DIAR 50-30)</li> </ul>
<p><i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:</p>	<p>You can expect photogrammetric mathematical problems that will require you to perform photo mensuration. You can also expect questions regarding photographic interpretation reports, basic forwarding, titling, and plotting of imagery.</p>



## Advancement Handbook for IS2

General IS Skill <i>Area</i>	<b>Operations</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Analyze and disseminate intelligence and operational reports and information</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• The different types and purposes of intelligence and operational reports available</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>USMTF User Formats</i> (v 2.0) (OPNAV-P-942-1-86)</li> <li>• <i>Operational Reports</i> (NWP 1-03.1)</li> <li>• <i>Special Incident Reporting</i> (OPNAVINST 3100.6F)</li> <li>• <i>Fleet Intelligence Collection Manual</i> (FICM) (ONI-1200-003-98)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions about the contents of the following messages (as listed in the above references): ATO, AIRINTREP, BDAREP, DID, DISUM, IIR, NMIC BULLETIN, INTELSITSUM, INTREP, INTSUM, JTACSURVREQ, LOCATOR, MARINTREP, MARINTSUM, OBREP, OPREP, OPSUM, RRI, SAMINTREP, SITREP, SPIREP, and UNITSITREP.

## Part 3

### Advancement Handbook for IS1

## Advancement Handbook for IS1

General IS <i>Skill Area</i>	<b>Intelligence Briefings/Reports</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Review and edit Intelligence Point Papers</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Correspondence and message formats</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Department of the Navy Correspondence Manual</i> (SECNAVINST 5216.5 (Series))</li> <li>• <i>USMTF User Formats</i> (v 2.0) (OPNAV-P-942-1-86)</li> <li>• <i>Telecommunications Users Manual</i> (NTP-3)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect to be asked about any type of correspondence or message that pertains to intelligence. Questions will include format, data requirements, function, processing times, etc.

## Advancement Handbook for IS1

General IS <i>Skill Area</i>	<b>Technical Administration</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Review and comply with Operations Plans (OPLANs), Orders (OPORDs), and Tasks (OPTASKs)</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Format of OPLANs, OPORDs, and OPTASKs</li> <li>• OPLAN, OPORD, and OPTASK requirements</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Department of the Navy Correspondence Manual</i> (SECNAVINST 5216.5 (Series))</li> <li>• <i>USMTF User Formats</i> (v 2.0) (OPNAV-P-942-1-86)</li> <li>• <i>Telecommunications Users Manual</i> (NTP-3)</li> <li>• <i>Operational Reports</i> (NWP 1-03.1)</li> <li>• <i>Tactical Air Strike Operations Against Land Targets</i> (NWP 3-03.4)</li> <li>• <i>Naval Special Warfare</i> (NWP 3-05)</li> <li>• <i>Mining Operations</i> (NWP 3-15.3)</li> <li>• <i>Naval Operational Planning</i> (NWP 5-01)</li> <li>• <i>Counter-Drug Maritime Product Suite</i> (ONI-2500-001-98)</li> <li>• <i>Intelligence Support to Operations Afloat</i> (NWP 2-01)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions regarding the preparation, use, and purpose of OPLANs, OPORDs, OPTASKs, and other operational reports. Also expect detailed questions about those sections that specifically pertain to intelligence. Additionally, you can expect to be asked about tasking in specific warfare areas and the role that intelligence plays.

## Advancement Handbook for IS1

General IS <i>Skill Area</i>	<b>Technical Administration</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Review local theater and national intelligence plans, policies, procedures, guidance, and doctrine for naval joint and combined operations</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Intelligence support to operating forces</li> <li>• The functions and structure of Naval intelligence</li> <li>• Joint intelligence organizations</li> <li>• Intelligence requirements and priorities</li> <li>• The policy, planning and programming process</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Intelligence Support to Operations Afloat</i> (NWP 2-01)</li> <li>• <i>Naval Doctrine Publication 2 – Naval Intelligence</i> (NDP-2)</li> <li>• <i>DOD Intelligence Dissemination Program</i> (DIAR 59-1)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions about naval intelligence support and the resources available to operating forces. You can also expect questions about the functions and structure of Naval intelligence and the Joint intelligence organizations that support naval intelligence. Additionally, you can expect questions that speak to national level nomination of requirements and priorities and the policies, planning, and programming that govern the entire process.

## Advancement Handbook for IS1

General IS <i>Skill Area</i>	<b>Intelligence Analysis</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Determine environmental effects on tactical operations</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Effects of adverse weather on sensor and weapon system capabilities</li> <li>• Effects of temperature, depth, and salinity on submarine detection, operations, and tactics</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Fleet Oceanographic and Acoustic Reference Manual</i> (RP 33)</li> <li>• <i>Environmental Effects of Weapons Systems</i> (RP 1)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions on the degrading effects of weather on tactical missions and what type of sensor systems (organic and national) will be used during adverse weather operations. You can also expect questions regarding the effects of temperature gradients, depth, and salinity with reference to submarine detection, operations, and tactics.

## Advancement Handbook for IS1

General IS <i>Skill Area</i>	<b>Blue Force Capabilities</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Assess U.S. tactical sensor systems capabilities</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Organic sensors available to a typical CVBG</li> <li>• Sensor capabilities</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Afloat Intelligence Manager's Handbook</i></li> <li>• <i>Characteristics and Capabilities of U.S. Navy Combatant Ships</i> (NWP 1-11.1)</li> <li>• <i>Air Reconnaissance Manual</i> (NWP 3-55.11)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect to be asked about organic sensor capabilities available to a typical CVBG.

## Advancement Handbook for IS1

General IS <i>Skill Area</i>	<b>Operations</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Assess regional geopolitical situations</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Geography</li> <li>• Messages of interest</li> <li>• Information resources</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>The World Factbook Supplement 1998: Military, Intelligence, and Security</i> (OSS WFS 98-001)</li> <li>• <i>USMTF User Formats</i> (v 2.0) (OPNAV-P-942-1-86)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect a graphic representation of a geographic area (e.g., South America, Far East, etc.) requiring the identification of countries in that area. You will also be asked to identify the types of messages and information resources that will provide the necessary data to allow you to make an accurate assessment of the current geopolitical situation in an area of interest.

# Advancement Handbook for IS1

General IS <i>Skill Area</i>	<b>Intelligence Collection</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Coordinate intelligence collection efforts</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Collection requirements</li> <li>• Reporting requirements</li> <li>• Intelligence oversight</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Fleet Intelligence Collection Manual (FICM)</i> (ONI-1200-003-98)</li> <li>• <i>USMTF User Formats (v 2.0)</i> (OPNAV-P-942-1-86)</li> <li>• <i>Air Reconnaissance Manual</i> (NWP 3-55.11)</li> <li>• <i>DOD Intelligence Production Program: Requirements Management</i> (DOD-0000-151C-99)</li> <li>• <i>Counter-Drug Maritime Product Suite</i> (ONI-2500-001-98)</li> <li>• <i>Security Classification of Airborne Sensor Imagery</i> (DIAR 50-30)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect to be asked questions about organic sensor capabilities and the different type of collection/reporting requirements. You can also expect questions about the different disciplines of intelligence collection (i.e., HUMINT, IMINT, SIGINT, MASINT, ACINT). Additionally, expect questions about Intelligence Oversight and Fleet advisories.

## Part 4

# Advancement Handbook for ISC

## Advancement Handbook for ISC

General IS <i>Skill Area</i>	<b>Technical Administration</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Determine theater intelligence doctrine architecture</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• The structure of Naval intelligence</li> <li>• The intelligence cycle</li> <li>• Support to planning and operations</li> <li>• Support to information warfare</li> <li>• Support to command and control warfare</li> <li>• JCS Intelligence Priorities for Strategic Planning (IPSP)</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Intelligence Support to Operations Afloat</i> (NWP 2-01)</li> <li>• <i>Naval Doctrine Publication 2 – Naval Intelligence</i> (NDP-2)</li> <li>• <i>DOD Intelligence Dissemination Program</i> (DIAR 59-1)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions about the intelligence cycle, the structure of naval intelligence, and the support role that intelligence performs to planning, operations, information warfare, and command and control warfare.

## Advancement Handbook for ISC

General IS <i>Skill Area</i>	<b>Information Systems</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Determine local/onboard systems component requirements</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• Information systems available</li> <li>• AIS security requirements</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>Afloat Intelligence Managers Handbook</i></li> <li>• <i>Afloat Intelligence Systems</i></li> <li>• <i>Department of the Navy (DON) Information Security Program (ISP) Regulation (SECNAVINST 5510.36)</i></li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions about all of the available information systems and their capabilities (i.e., the function they perform).

## Advancement Handbook for ISC

General IS <i>Skill Area</i>	<b>Information Systems</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Determine intelligence systems architecture</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• System interrelation and information flow</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>The Afloat Intelligence Managers Handbook</i></li> <li>• <i>Afloat Intelligence Systems</i></li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	You can expect questions about the relationship between various systems (e.g., NTCS-A, JMCIS, JDISS, DIWSA, APS, etc.) and the flow of information from those systems to national level databases and resources.

## Advancement Handbook for ISC

General IS <i>Skill Area</i>	<b>Imagery Interpretation</b>
A <i>skill</i> you are expected to perform from the General Skill Area above:	<b>Determine the requirements to release imagery</b>
<i>Knowledge</i> you should have to perform this skill:	<ul style="list-style-type: none"> <li>• National Area Coverage Data File (NACDF)</li> <li>• Advanced Imagery Requirements and Exploitation System (AIRES)</li> <li>• Imagery nomination process</li> <li>• Collection requirements</li> <li>• Exploitation and reporting requirements</li> </ul>
<i>References</i> you should study to gain the knowledge you need to perform this skill:	<ul style="list-style-type: none"> <li>• <i>DOD Exploitation of Multisensor Imagery</i> (DIAM 57-5 series)</li> <li>• <i>Imagery Requirements</i> (DIAM 58-5)</li> <li>• <i>Aerial Photography and Airborne Sensor Imagery (Forwarding, Titling, and Plotting)</i> (DIAM 55-5)</li> <li>• <i>Department of the Navy (DON) Information Security Program (ISP) Regulation</i> (SECNAVINST 5510.36)</li> <li>• <i>Security Classification of Airborne Sensor Imagery</i> (DIAR 50-30)</li> <li>• <i>DOD Intelligence Dissemination Program</i> (DIAR 59-1)</li> </ul>
<i>Exam Expectations.</i> These are subject areas you should know to help you answer exam questions correctly:	Expect questions on NACDF and the AIRES systems and the type of data they can provide. Also expect questions on the imagery nomination process and collection requirements with follow-on exploitation and reporting requirements.

## Appendix 1

### References Used in This Advancement Handbook

Short Title	Long Title	Stocking Point
ACP-121	Communication Instructions General	Note 1
ACP-125	Communications Instructions Radiotelephone Procedures	Note 1
AFTTP 3-1, Vol 2	Threat Reference Guide and Counter Tactics	Note 2
APP-4, Vol 1	Allied Maritime Structured Messages	Note 1
APP-4, Vol 2	Allied Maritime Formatted Messages	Note 1
CINCLANTFLTINST 3169.1	Nautical Chart and Publication Allowances for Atlantic Fleet Commands	Note 3
CINCPACFLTINST 3881.2	Pacific Fleet Map and Aeronautical Chart Allowance Lists	Note 3
DI-2800-2-YR	Critical Elements of Selected Generic Installations (Critical Elements Handbook)	Note 4
DIAM 55-5	Aerial Photography and Airborne Sensor, Imagery Forwarding, Titling, and Plotting	Note 5
DIAM 57-5 Series	DOD Exploitation of Multisensor Imagery	Note 6
DIAM 57-24	U.S. Allied Tactical Target Materials	Note 7
DIAR 50-30	Security Classification of Airborne Sensor Imagery	Note 8
DIAR 59-1	DOD Intelligence Dissemination Program	Note 9
DMA TM 8358.1	Datums, Ellipsoids, Grids, and Grid Reference Systems	Note 10
DOD-0000-151C-99	Department of Defense Intelligence Production Program: Requirements Management	Note 11
DOD-0000-174-99	Intelligence Function Codes	Note 12
DST-2660Z-013-88	DIA Fact Book: Communist World Forces	Note 5
FM 101-5-1	Operational Terms and Graphics	Note 13
J2M-0177-01	DOD Indications and Warning Systems Operations Manual	Note 5
JCS Pub 1-02	DOD Dictionary of Military and Associated Terms	Note 14
JWAC/MP-97/20	Functional Damage Assessment (FDA) Guide of EP, LOC, POL, and TELECOM Networks	Note 26
NAVAIR 10-1-789	Reconnaissance Reference Manual	Note 1
NDP-2	Naval Doctrine Publication 2—Naval Intelligence	Note 15
NTP-3	Telecommunications Users Manual	Note 16
NV PUB 217	Maneuvering Board Manual, U.S. Department of Defense	Note 17
NWP 1-01	The Naval Warfare Publications System	Note 15
NWP 1-03.1	Operational Reports	Note 15
NWP 1-10.1	Tactical Action Officers Handbook	Note 15
NWP 1-11.01	Characteristics and Capabilities of U.S. Navy	Note 15

	Combatant Ships	
NWP 2-01	Intelligence Support to Operations Afloat	Note 15
NWP 3-01.01	Anti-Air Warfare Manual	Note 15
NWP 3-03.4	Tactical Air Strike Operations Against Land Targets	Note 15
NWP 3-05	Naval Special Warfare	Note 15
NWP 3-15.3	Mining Operations	Note 15
NWP 3-55.11	Air Reconnaissance Manual	Note 15
NWP 3-56	Composite Warfare Commander's Manual	Note 15
NWP 5-01	Naval Operational Planning	Note 15
ONI-1200-002-08	Worldwide Threat to U.S. Navy and Marine Forces, 1997-2017	Note 18
ONI-1200-003-98	Fleet Intelligence Collection Manual (FICM)	Note 19
ONI-1250-008-99	Foreign Naval Ship and Submarine Characteristics	Note 18
ONI-1330-002-98	Regional Threat to TLAM	Note 18
ONI-2500-001-98	Counter-Drug Maritime Product Suite	Note 18
OPNAVINST 3100.6F	Special Incident Reporting	Note 1
OPNAV-P-942-1-86	USMTF User Formats v 2.0	Note 20
OSS WFS 98-001	The World Factbook Supplement 1998: Military, Intelligence, and Security	Note 21
RP1	Environmental Effects on Weapons Systems	Note 22
RP33	Fleet Oceanographic and Acoustic Reference Manual	Note 22
SECNAVINST 5210.11D	Department of the Navy File Maintenance Procedures and Standard Subject Identification Codes SSICs	Note 23
SECNAVINST 5216.5	Department of the Navy Correspondence Manual Series	Note 23
SECNAVINST 5510.36	Department of the Navy (DON) Information Security Program (ISP) Regulation	Note 23
SVI-0000-0190-98	The Intelligence Product Catalog	Note 5
None	The Afloat Intelligence Managers Handbook	Note 24
None	Richmond Map Facility, Defense Supply Center Richmond, Ordering Procedures	Note 25
None	JDISS Basic Operator Course (JBOC) Course Guide (v6.0)	Note 24
None	Afloat Intelligence Systems	Note 24

**LEGEND:**

Note 1 —To order obtain Stk. No. from NAVSUP 2002, then MILSTRIP to NAVICP PHILA or (if unclass) via INTERNET <http://www.nll.navsup.navy.mil/>

Note 2 —Available via SIPRNet  
<http://storefront1s.naic.wrightpatterson.af.smil.mil:5200/Documents/HANDBOOK/SXX00001/HTML/toc.html>

Note 3 —To order contact your personnel/administrative office. Check appropriate 5215 for current edition.

Note 4 —Available via SIPRNet  
[http://delphi-s.dia.smil.mil/intel/non-geo/dird/DDB-2800-2-83/ddb2800\\_toc.html](http://delphi-s.dia.smil.mil/intel/non-geo/dird/DDB-2800-2-83/ddb2800_toc.html)

Note 5 —Defense Intelligence Agency  
Customer Service Desk  
Bolling AFB  
Washington, DC 20340-5100  
DSN: 428-4319

Note 6 —Available via SIPRNet  
[http://delphi-s.dia.smil.mil/admin/REG-MAN/m57-5/m57-5\\_toc.html](http://delphi-s.dia.smil.mil/admin/REG-MAN/m57-5/m57-5_toc.html)

Note 7 —Available via SIPRNet  
<http://www.dia.smil.mil/intel/j2/j2t/tgtref/DIAM57-24/DIAM57-24.USONLY.html>

Note 8 —Available via SIPRNet  
<http://delphi-s.dia.smil.mil/admin/REG-MAN/r50-30/r50-30.html>

Note 9 —Available via SIPRNet  
[http://delphi-s.dia.smil.mil/admin/REG-MAN/r59-1/r59-1\\_for.html](http://delphi-s.dia.smil.mil/admin/REG-MAN/r59-1/r59-1_for.html)

Note 10 —Available via INTERNET  
<http://164.214.2.59/GandG/pubs.html>  
Or via SIPRNet  
<http://sps.stl.nima.smil.mil/products/gandg/tm83581/tr83581a.htm>

Note 11 —Available via SIPRNet  
[http://intelink-s1000.dia.smil.mil/intel/non-geo/dimd/DOD-0000-151C-98/0000-151c\\_cov.html](http://intelink-s1000.dia.smil.mil/intel/non-geo/dimd/DOD-0000-151C-98/0000-151c_cov.html)

Note 12 —Available via SIPRNet  
[http://delphi-s.dia.smil.mil/intel/world\\_wide/dimd/DoD-0000-174-99/0000-174\\_cov.html](http://delphi-s.dia.smil.mil/intel/world_wide/dimd/DoD-0000-174-99/0000-174_cov.html)

Note 13 —Available via INTERNET  
<http://155.217.58.58/cgi-bin/atdl.dll/fm/21-26/Ref.htm#101-5-1>

Note 14 —Available via INTERNET  
<http://www.dtic.mil/jcs/>  
Or via SIPRNet  
<http://www.hqda.army.smil.mil/public/docs/JOPES/compend/JPubs/1-02/JP1-02.html>

Note 15 —Available via SIPRNet

<http://www.nwdc.navy.smil.mil/doctrinehome/NWELS/defaulta.htm>

Note 16 —Point of Contact: Downloaded from COMNAVCOMTELCOM's Bulletin Board Service (BBS); ALCOM 020/96 refers. If the document is classified, refer to Note 1.

Note 17 —National Imagery and Mapping Agency (NIMA)

NIMA

3200 South Second Street

St. Louis, MO 63118-3399

Note 18 —Office of Naval Intelligence

4251 Suitland Rd

Washington DC

Note 19 —Available via SIPRNet

<http://www.nmic.navy.smil.mil/PRODUCTS/FICM/cov.html>

Note 20 —Defense Information Systems Agency

Center for Standards

ATTN: JEBC

10701 Parkridge Boulevard

Reston, VA 20191-4357

Note 21 —Central Intelligence Agency

OSS/KPG/DHRT

Washington, DC 20505

Note 22 —Commanding Officer

Naval Oceanographic Office

Stennis Space Center, MS 39522-5001

Note 23 —Available via INTERNET

<http://neds.nebt.daps.mil/>

Note 24 —Commanding Officer

NMITC

2088 Regulus Ave

Virginia Beach, VA 23461-5575

Note 25 —Available via INTERNET

<http://www.dscr.dla.mil/PC9/>

Note 26 —Commander

Joint Warfare Analysis Center (J04)

18385 Frontage Road

Dahlgren, VA 22448-5500